



**INFORMATION DISCLOSURE  
STATEMENT**

PTO-1449

ATTY. DOCKET NO.:  
39766-0033 CPC4C

SERIAL NO.  
09/966,147

**APPLICANT:**

Leonard G. PRESTA, et al.

**FILING DATE:**

September 27, 2001

**GROUP:**

1642

**U.S. PATENT DOCUMENTS**

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE

**FOREIGN PATENT DOCUMENTS**

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
						<input type="checkbox"/>	<input type="checkbox"/>

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

<i>SMY</i>	Babb, T., et al., 1991, "Synaptic Reorganization by Mossy Fibers in Human Epileptic Fascia Dentata," <i>Neuroscience</i> 42:351-363 (1991)
	Babb, T., "Axonal Growth and Neosynaptogenesis in Human and Experimental Hippocampal Epilepsy," <i>Advances in Neurology</i> Vol. 72, <i>Neuronal Regeneration, Reorganization, and Repair</i> , edited by Frederick Seil, Lippincott-Raven Publishers, Philadelphia (1997), Chapter 5, pages 45-51.
	Ben-Ari, Y., and Represa, A., "Brief seizure episodes induce long-term potentiation and mossy fibre sprouting in the hippocampus," <i>Trends in Neurosciences</i> 13(8):312-318 (1990)
	Bengzon, J., et al., "Regulation of Neurotrophin and <i>trkB</i> , <i>trkC</i> Tyrosine Kinase Receptor Messenger RNA Expression in Kindling," <i>Neuroscience</i> 53(2): 433-446 (1993)
	McNamara, J., "Cellular and Molecular Basis of Epilepsy," <i>J. Neuroscience</i> 14(6):3413-3424 (1994)
	Represa, A., et al., "Sprouting of Mossy Fibers in the Hippocampus of Epileptic Human and Rat," <i>Excitatory Amino Acids and Neuronal Plasticity</i> , Ed. Ben-Ari, Plenum Press, New York (1990), pages 419-424
	Scharfman, H., "Epilepsy as an Example of Neural Plasticity," <i>The Neuroscientist</i> 8(2):154-173 (2002)
<i>H</i>	Zhou, L., et al., "Neurotrophin-3 Expressed <i>In Situ</i> Induces Axonal Plasticity in the Adult Injured Spinal Cord," <i>J. Neuroscience</i> 23(4):1424-1431 (2003)

EXAMINER

DATE CONSIDERED

*8/17/05*

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO-1448 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. GENENT.33CPC4C	APPLICATION NO. 09/868,147
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Presta et al.	
(USE SEVERAL SHEETS IF NECESSARY)		FILING DATE September 27, 2001	GROUP 1642

RECEIVED

U.S. PATENT & TRADEMARK OFFICE  
INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT  
(USE SEVERAL SHEETS IF NECESSARY)  
OCT 16 2002  
1642/2900

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
Su	1.	5,601,820	2/11/97	Brodeur et al.	424	130.1	7/7/94
	2.	5,681,016	8/26/97	Lanberg et al.	435	172.3	4/26/93
✓	3.	5,753,225	5/19/98	Clary et al.	424	130.1	12/3/93

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES      NO
Su	4.	WO 92/18149	10/29/92	PCT			
	5.	WO 95/15180	6/8/95	PCT			

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	

EXAMINER	DATE CONSIDERED
Initial if citation considered, whether or not citation is in conformance with MPEP 809; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

\*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 809; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. GENENT.33CPC4C	APPLICATION NO. To be assigned
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Presta	
(USE SEVERAL SHEETS IF NECESSARY)		FILING DATE Concurrently	GROUP Unknown
		1080 U.S. PTO 09/27/01 09/27/01	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
Gu	1	5,348,858	09/20/94	Barabacid et al.	C07K	13/00	

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO
Sy	2	455,480	06/11/91	EPO	C12N	15/12	
✓	3	522,530	13/01/93	EPO	C12N	15/12	

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
Gu	4	Adams et al., "Nerve growth factor accelerates seizure development, enhances mossy fiber sprouting, and attenuates seizure-induced decreases in neuronal density in the kindling model of epilepsy," <i>J. Neuro Sci.</i> , 17(14):5288-5298 (1997).
	5	Allen et al., "Cloning of a Non-Catalytic Form of Human trkB and Distribution of Messenger RNA for trkB in Human Brain," <i>Neuroscience</i> , 60(3):825-834 (1994).
	6	Barde et al., "Purification of a New Neurotrophic Factor From Mammalian Brain," <i>EMBO Journal</i> 1 (5): 549-553 (1982).
	7	Berkmeier et al., "Neurotrophin-5: A Novel Neurotrophic Factor That Activates trk and trkB," <i>Neuron</i> 7: 857-866 (November 1991).
	8	Calderhead et al., "Cloning of mouse Ox40: a T cell activation marker that may mediate T-B cell interactions," <i>J. Immunol.</i> , 151:5261-5271 (1993).
	9	Davies et al., "p75-Deficient Trigeminal Sensory Neurons Have an Altered Response to NGF but Not to Other Neurotrophins," <i>Neuron</i> 11: 565-574 (October 1993).
	10	Dawbarn et al., Society for NeuroScience Annual Meeting Abstracts, Volume 19, Parts 1-3 (1993). Abstract Nos. 453.9 and 538.13.
	11	Dawbarn et al., "Cloning of a Human trkB Gene and Distribution in Human Brain by in situ Hybridization," <i>British Journal of Pharmacology (Proceedings Supplement)</i> , 111 (1994).
	12	Duan et al., "A functional soluble extracellular region of the platelet-derived growth factor (PDGF) beta-receptor antagonizes PDGF-stimulated responses," <i>J. Biol. Chem.</i> , 266:413-418 (1991).
	13	Eager, "Molecular Characterization of human trk Proto-oncogene Product Monoclonal Antibodies," <i>Oncogene</i> , 6:819-824 (1991).
	14	Ermfors et al., "Molecular cloning and neurotrophic activities of a protein with structural similarities to nerve growth factor: Developmental and topographical expression in the brain," <i>Proc. Natl. Acad. Sci. USA</i> 87: 5454-5458 (July 1990).
	15	Hallbook et al., "Evolutionary Studies of the Nerve Growth Factor Family Reveal a Novel Member Abundantly Expressed in Xenopus Ovary," <i>Neuron</i> 6: 845-858 (May 1991).
	16	Hermann et al., "Mediation of NGF-stimulated Extracellular Matrix Invasion by the Human Melanoma Low-affinity p75 Neurotrophin Receptor: Melanoma p75 Functions Independently of trkA," <i>Mol. Biol. Cell</i> 4: 1205-1216 (November 1993).
	17	Hohn et al., "Identification and characterization of a novel member of the nerve growth factor/brain-derived neurotrophic factor family," <i>Nature</i> 344: 339-341 (March 22, 1990).
	18	Ibanez et al., "Disruption of the Low Affinity Receptor-Binding Site in NGF Allows Neuronal Survival and Differentiation by Binding to the trk Gene Product," <i>Cell</i> 69: 329-341 (April 17, 1992).
	19	Ip et al., "Mammalian neurotrophin-4: Structure, chromosomal localization, tissue distribution, and receptor specificity," <i>Proc. Natl. Acad. Sci. USA</i> 89: 3060-3064 (April 1992).
✓	20	Jones et al., "Molecular cloning of a human gene that is a member of the nerve growth factor family," <i>Proc. Natl. Acad. Sci. USA</i> 87: 8060-8064 (1990).

EXAMINER	DATE CONSIDERED
Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.	

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. GENENT.33CPC4C	APPLICATION NO. To be assigned
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Presta	
(USE SEVERAL SHEETS IF NECESSARY)		FILING DATE Concurrently	GROUP Unknown

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)		
Sy	21	Kalsho et al., "Cloning and expression of a cDNA encoding a novel human neurotrophic factor," <i>FEBS Letters</i> 266(1, 2): 187-191 (June 1990).	
	22	Kaplan et al., "Induction of TrkB by Retinoic Acid Mediates Biologic Responsiveness to BDNF and Differentiation of Human Neuroblastoma Cells," <i>Neuron</i> 11: 321-331 (1993).	
	23	Klein et al., "The TrkB Tyrosine Protein Kinase Is a Receptor for Brain-Derived Neurotrophic Factor and Neurotrophin-3," <i>Cell</i> 68: 395-403 (July 26, 1991).	
	24	Klein et al., "trkB, a novel tyrosine protein kinase receptor expressed during mouse neural development," <i>EMBO Journal</i> 8 (12): 3701-3709 (1989).	
	25	Lamballe et al., "trkC, a New Member of the trk Family of Tyrosine Protein Kinases, Is a Receptor for Neurotrophin-3," <i>Cell</i> 68: 967-979 (September 6, 1991).	
	26	Leibrock et al., "Molecular cloning and expression of brain-derived neurotrophic factor," <i>Nature</i> 341:149-152 (September 14, 1989).	
	27	Levi-Montalcini et al., "Nerve Growth Factor," <i>Physiol. Rev.</i> 48 (3): 535-569 (July 1968).	
	28	McGregor et al., "Molecular Cloning of the cDNA for Human trkC (NTRK3), Chromosomal Assignment, and Evidence for a Splice Variant," <i>Genomics</i> , 22:267-272 (1994).	
	29	Maisonpiere et al., "Neurotrophin-3: A Neurotrophic Factor Related to NGF and BDNF," <i>Science</i> 247: 1448-1451 (March 23, 1990).	
	30	Mark, "Expression and Characterization of Hepatocyte Growth Factor Receptor-IgG Fusion Proteins," <i>The Journal of Biological Chemistry</i> , 267(38):26166-26171 (1992).	
	31	Meakin et al., "The nerve growth factor family of receptors," <i>TINS</i> 15 (9): 323-331 (1992).	
	32	Middlemas et al., "trkB, a Neural Receptor Protein-Tyrosine Kinase: Evidence for a Full-Length and Two Truncated Receptors," <i>Molecular &amp; Cellular Biology</i> 11 (1): 143-153 (January 1991).	
	33	Miknyoczki et al., "Neurotrophin-Trk receptor interactions in neoplasia: a possible role in interstitial and perineural invasion in ductal pancreatic cancer," <i>Crit. Rev. Oncog.</i> , 7(1-2):89-100 (1996).	
	34	Nakagawara et al., "Cloning and Chromosomal Localization of the Human trkB Tyrosine Kinase Receptor Gene (NTRK2)," <i>Genomics</i> , 25(2):538-548 (1995).	
	35	Okazawa et al., "trkB immunoreactivity at neuronal dendrite and cell body," <i>Biochem. Biophys. Res. Comm.</i> , 184(2):683-690 (1993).	
	36	Rabizadeh et al., "Induction of Apoptosis by the Low-Affinity NGF Receptor," <i>Science</i> 261: 345-348 (July 18, 1993).	
	37	Rodriguez-Tebar et al., "Binding of neurotrophin-3 to its neuronal receptors and interactions with nerve growth factor and brain-derived neurotrophic factor," <i>EMBO Journal</i> 11 (3): 917-922 (1992).	
	38	Rosenthal et al., "Primary Structure and Biological Activity of a Novel Human Neurotrophic Factor," <i>Neuron</i> 4: 767-773 (May 1990).	
	39	Schneider et al., "A novel modular mosaic of cell adhesion motifs in the extracellular domains of the neurogenic trk and trkB tyrosine kinase receptors," <i>Oncogene</i> , 6:1807-1811 (1991).	
	40	Shelton et al., "Human trks: Molecular Cloning, Tissue Distribution, and Expression of Extracellular Domain Immunoadhesins," <i>The Journal of Neuroscience</i> , 15(1):477-491 (1995).	
	41	Shelton et al., "Molecular Cloning and Expression of Human trk trkB, and trkC," <i>Society for Neuroscience, Abstracts</i> , 19(1-3):1301 (1993).	
	42	Squinto et al., "trkB Encodes a Functional Receptor for Brain-Derived Neurotrophic Factor and Neurotrophin-3 but Not Nerve Growth Factor," <i>Cell</i> 65:885-893 (May 31, 1991).	
	43	Thoenen et al., "The Physiological Function of Nerve Growth Factor in the Central Nervous System: Comparison With the Periphery," <i>Rev. Physiol. Biochem. Pharmacol.</i> 109: 146-178 (1987).	
	44	Waldmann, "Monoclonal antibodies in diagnosis and therapy," <i>Science</i> , 252:1657-1661 (1991).	
	45	Watson et al., "A homing receptor-IgG chimera as a probe for adhesive ligands of lymph node high endothelial venules," <i>J. Cell. Biol.</i> , 110:2221-2229 (1990).	
	46	Williams, A.F., "A year in the life of the immunoglobulin superfamily," <i>Immunology Today</i> , 8(10):298-303 (1987).	

W:\DOCS\1GRD\GRD-6165.DOC

EXAMINER	DATE CONSIDERED
<i>Sy</i>	8/17/05
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	